

How to change front suspension strut on Ford Focus MK2 diesel – replacement guide

 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
FORD C-MAX (DM2) 1.6 TDCi, FORD FOCUS II (DA_, HCP, DP) 1.6 TDCi, FORD FOCUS II Saloon (DB_, FCH, DH) 1.6 TDCi, FORD FOCUS II Turnier (DA_, FFS, DS) 1.6 TDCi

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The steps may slightly vary depending on the car design.

REPLACEMENT: SUSPENSION STRUT – FORD FOCUS MK2. TOOLS YOU'LL NEED:



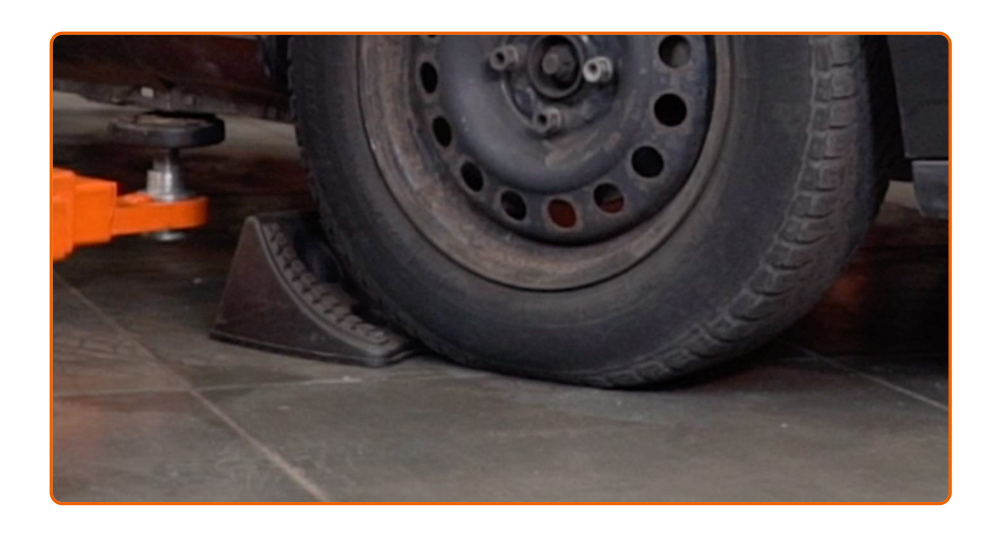
- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #15
- Combination spanner #18
- Drive socket # 15
- HEX bit no.H6.
- Wheel impact socket #19
- Ratchet wrench
- Torque wrench
- Flat Screwdriver
- Hydraulic strut spring compressor
- Flat chisel
- Hammer
- Hydraulic transmission jack
- Fender cover
- Wheel chock

Replacement: suspension strut – Ford Focus MK2. AUTODOC experts recommend:

- Both shock struts of the front suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock struts of the front suspension.
- Please note: all work on the car – Ford Focus MK2 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1



Secure the wheels with chocks.

2



Loosen the wheel mounting bolts. Use wheel impact socket #19.

3

Raise the front of the car and secure on supports.

4

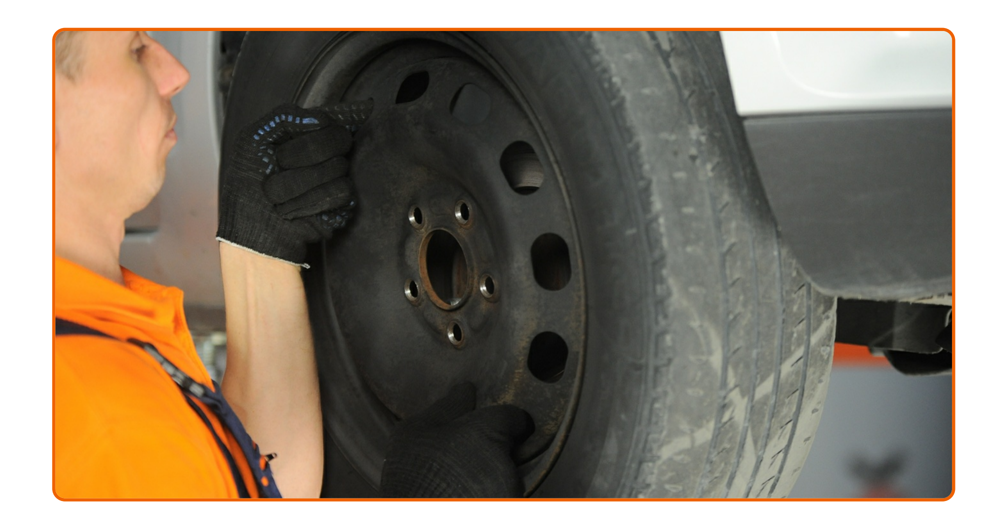


Unscrew the wheel bolts.

Replacement: suspension strut – Ford Focus MK2. Tip:

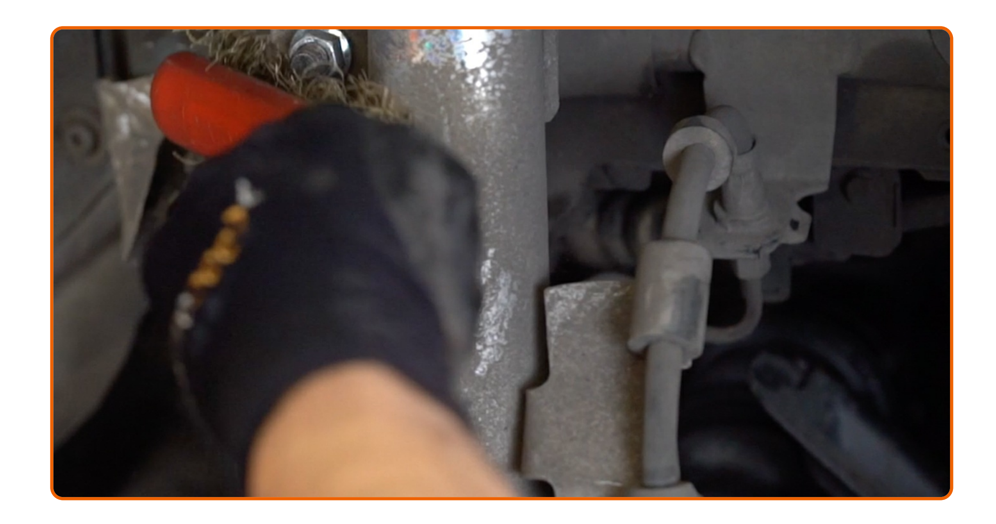
- To avoid injury, hold up the wheel when unscrewing the bolts.

5



Remove the wheel.

6



Clean the stabiliser link fasteners. Use a wire brush. Use WD-40 spray.

7



Unscrew the fastener connecting the stabilizer link to the shock strut. Use a combination spanner #15. Use HEX No.H6. Use a ratchet wrench.

8

Remove the bracket from the shock absorber strut.

9



Remove the stabilizer rod.

10



Detach the brake hose from the shock strut. Use a flat screwdriver.

11

Clean the fasteners connecting the shock strut to the steering knuckle. Use a wire brush. Use WD-40 spray.

12



Unscrew the lower fastener connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a ratchet wrench.

13

Remove the fastening bolt.

14



Release the lower fastener connecting the shock strut to the steering knuckle. Use a flat metal-working chisel. Use a hammer.

15



Disconnect the steering knuckle from the shock absorber strut. Use a hammer.



Replacement: suspension strut – Ford Focus MK2. AUTODOC recommends:

- Make sure that the steering knuckle is supported.

16



Lower the car.

17



Open the bonnet.

18



Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

19

Clean the fasteners of the shock strut upper mount. Use a wire brush. Use WD-40 spray.

20



Unscrew the top fastening of the shock strut mount. Use a combination spanner #13.

Replacement: suspension strut – Ford Focus MK2. Tip from AUTODOC:

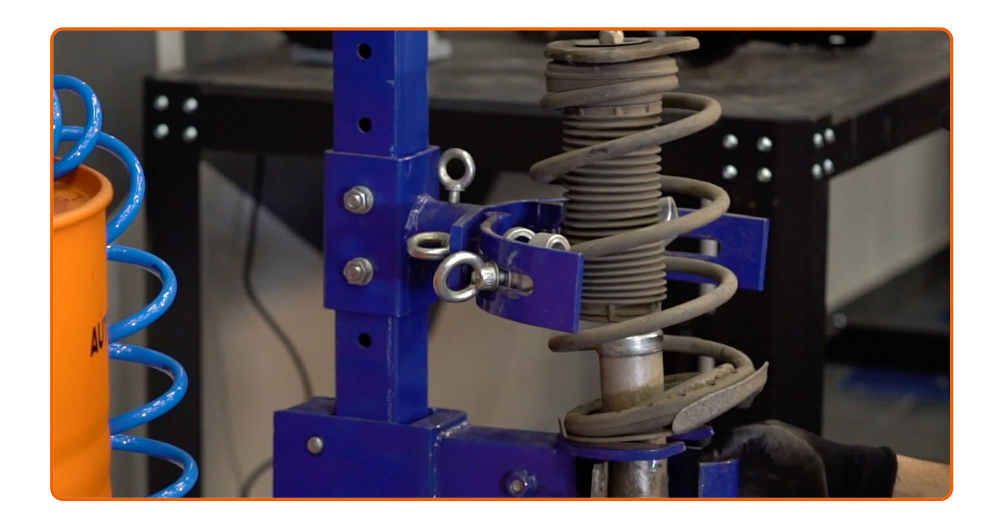
- To avoid injuries, hold the shock strut when undoing the fastening bolts.

21



Remove the suspension strut.

22



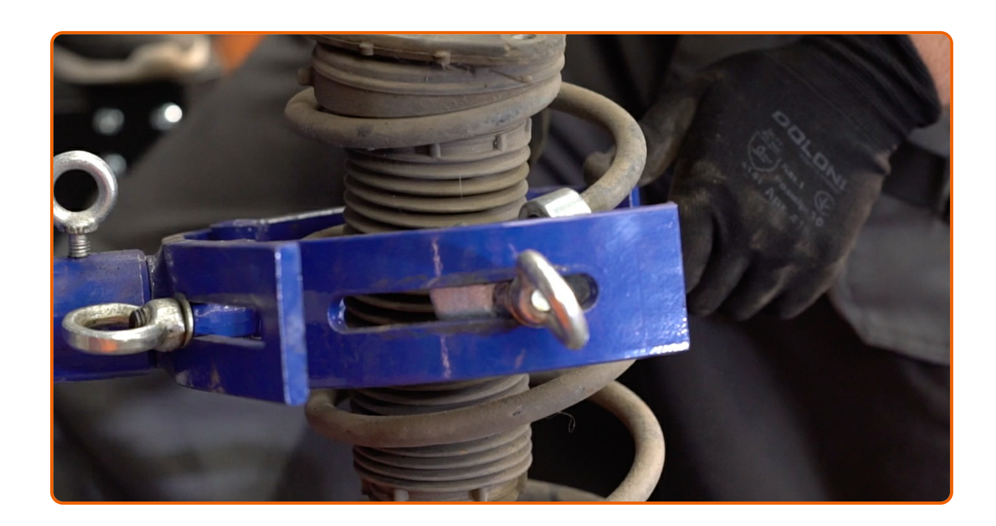
Set the shock absorber strut on the spring compressor tool.



Replacement: suspension strut – Ford Focus MK2. AUTODOC experts recommend:

- Note that when using a spring compressor, spring coils need to be securely gripped, compressing the spring on the opposite sides.
- Ensure the correct position of the spring in the retainer.
- Make sure that the spring coils tightly entered the lock handles.

23



Compress the spring.

24



Treat the shock strut rod. Use a wire brush. Use WD-40 spray.

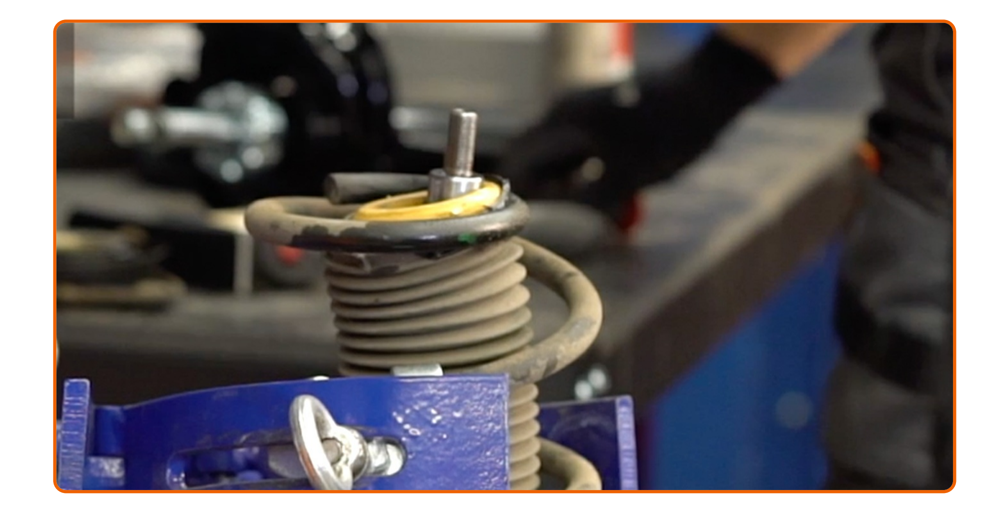
25



Remove the strut piston rod nut. Use a combination spanner #18. Use HEX No.H6. Use a ratchet wrench.



26



Remove the shock absorber mount, boot and bump stop.

AUTODOC recommends:

- Replacement: suspension strut – Ford Focus MK2. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

27

Release the coil spring.

28



Remove the spring.

29



Remove the old shock absorber from the hydraulic coil spring compressor.

Replacement: suspension strut – Ford Focus MK2. Tip:

- Before installing a new shock absorber you should pump it manually 3-5 times.

30



Install the new shock absorber on the hydraulic coil spring compressor.

31

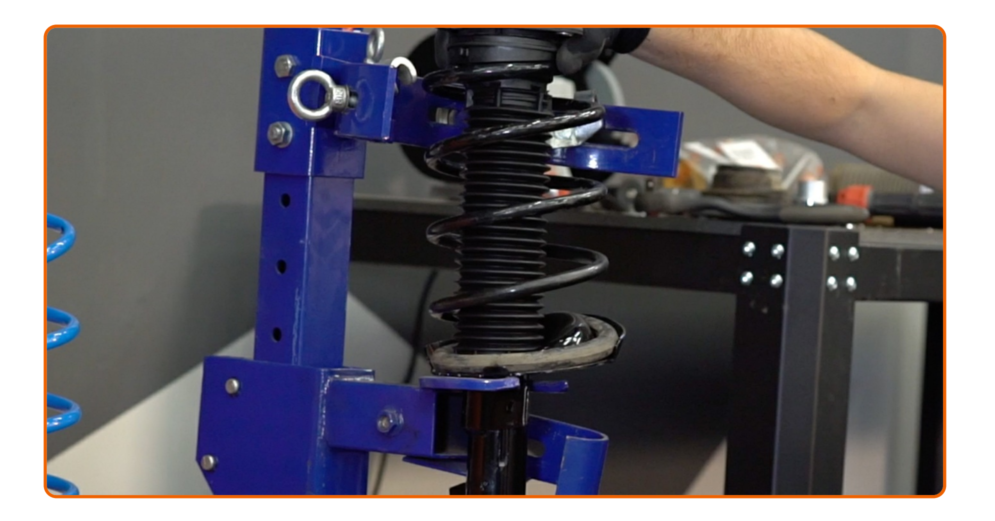


Install the spring on the shock absorber.

32

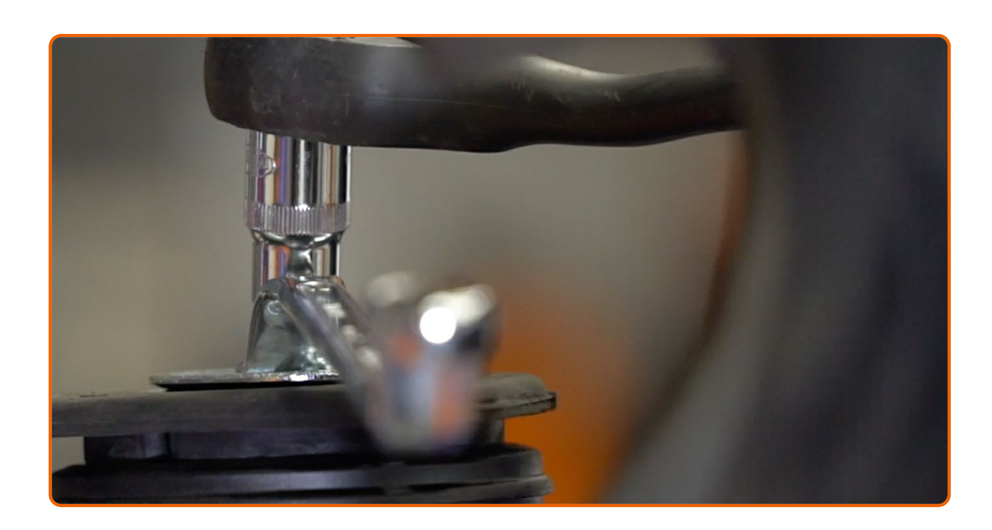
Compress the spring.

33



Install the mount, boot and bump stop onto a new shock absorber. Use a flat screwdriver.

34



Tighten the shock strut piston rod nut. Use a combination spanner #18. Use HEX No.H6. Use a torque wrench. Tighten it to 68 Nm torque.

Replacement: suspension strut – Ford Focus MK2. Tip from AUTODOC experts:

- Check to make sure the spring is positioned correctly. Avoid its misalignment.

35

Decompress the spring.

36



Remove the assembled shock strut.

37



Install the shock strut into the wheel arch.

38

Screw the top fastening of the shock strut mount.

AUTODOC recommends:

- Ford Focus MK2 – To avoid injury, hold the suspension strut while screwing in the fastening bolts.

39



Tighten the upper fastener of the shock absorber strut mount. Use a drive socket #13. Use a torque wrench. Tighten it to 40 Nm torque.



40



Remove the fender protection cover.

41



Close the hood.

42

Raise the front of the car and secure on supports.

43



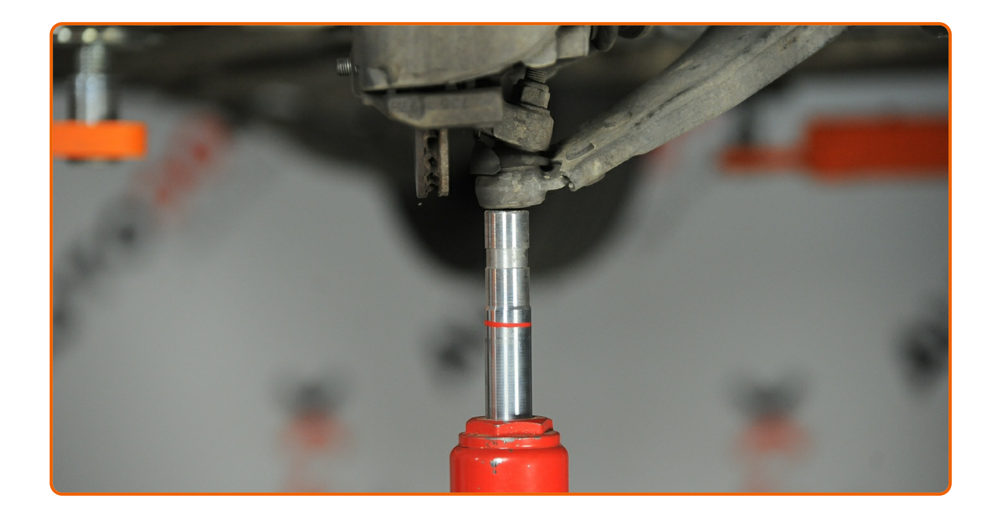
Treat the shock strut mounting seat on the steering knuckle. Use a wire brush. Use WD-40 spray.

44



Fix the shock absorber strut on the steering knuckle. Use a hammer.

45



Support the arm. Use a hydraulic transmission jack.

46

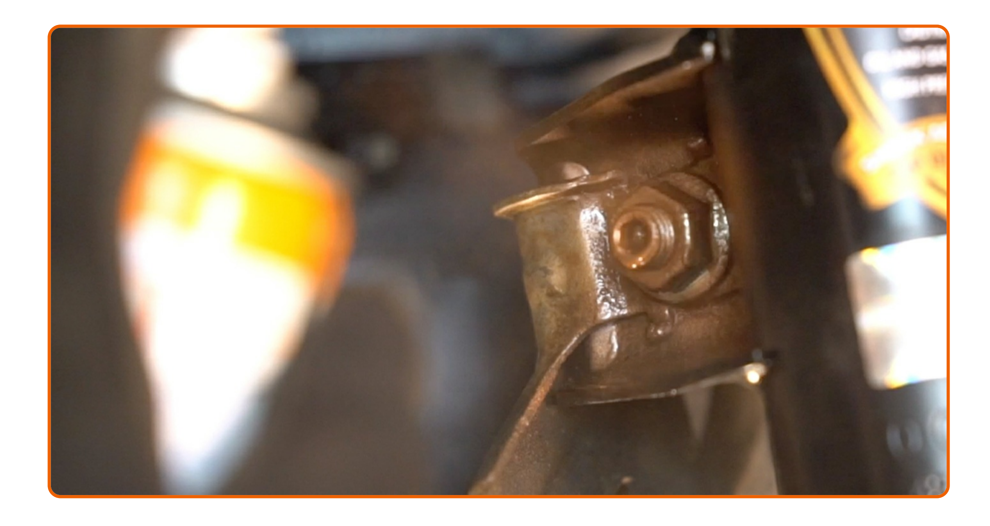
Install the fastening bolt.

47



Tighten the lower fasteners connecting the shock strut to the steering knuckle. Use a drive socket #15. Use a torque wrench. Tighten it to 65 Nm torque.

48



Treat the shock strut fasteners. Use copper grease.

49



Remove the support from under the arm.

AUTODOC recommends:

- Replacement: suspension strut – Ford Focus MK2. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

50

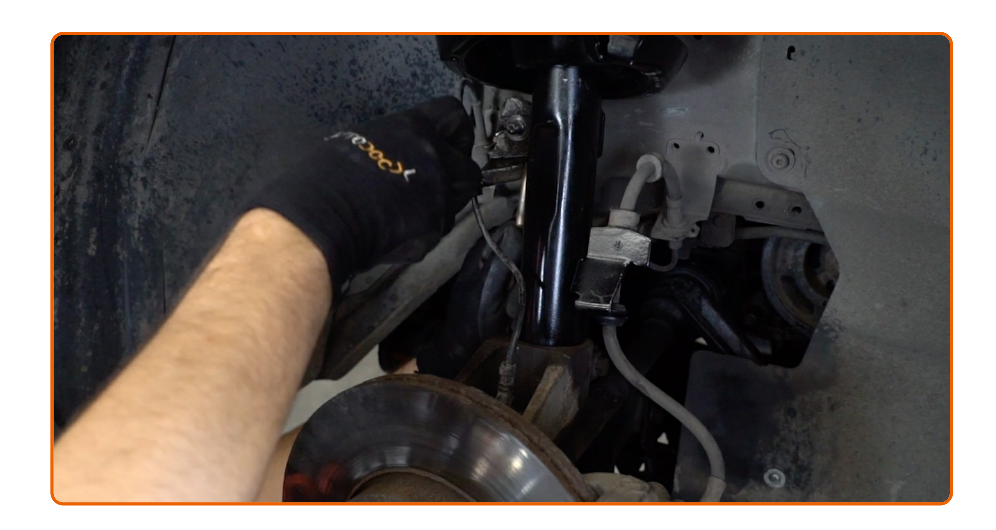


Fasten the brake hose on the strut.

51

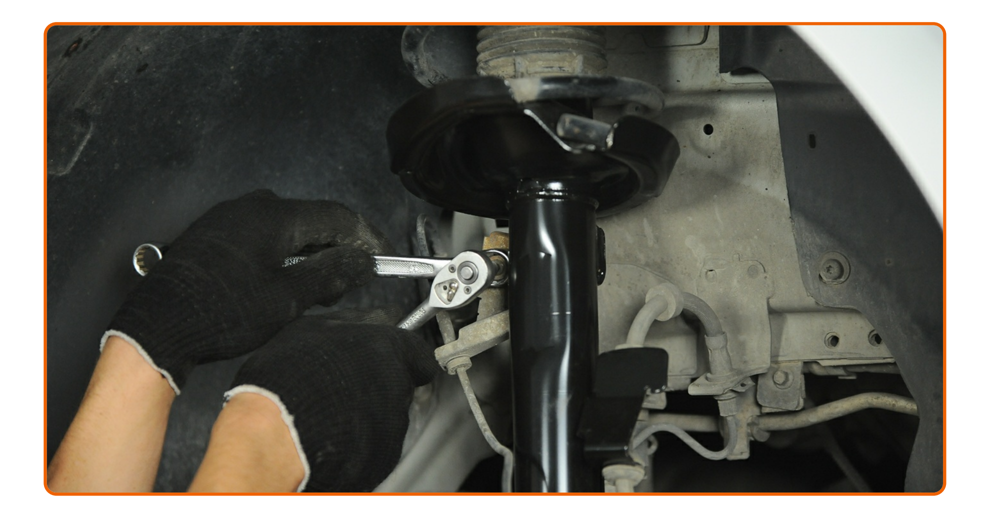
Install the transverse stabilizer link.

52



Install the bracket onto the shock absorber strut.

53



Tighten the fastener connecting the stabilizer link to the shock strut. Use a drive socket #15. Use HEX No.H6. Use a torque wrench. Tighten it to 55 Nm torque.

54



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

55



Clean the brake disk surface. Use a brake cleaner.

Replacement: suspension strut – Ford Focus MK2. Professionals recommend:

- After applying the spray, wait a few minutes.

56



Install the wheel.

Replacement: suspension strut – Ford Focus MK2. AUTODOC experts recommend:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

57



Screw in the wheel bolts. Use wheel impact socket #19.

58



Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 120 nm torque.

59



Remove the jacks and chocks.

DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

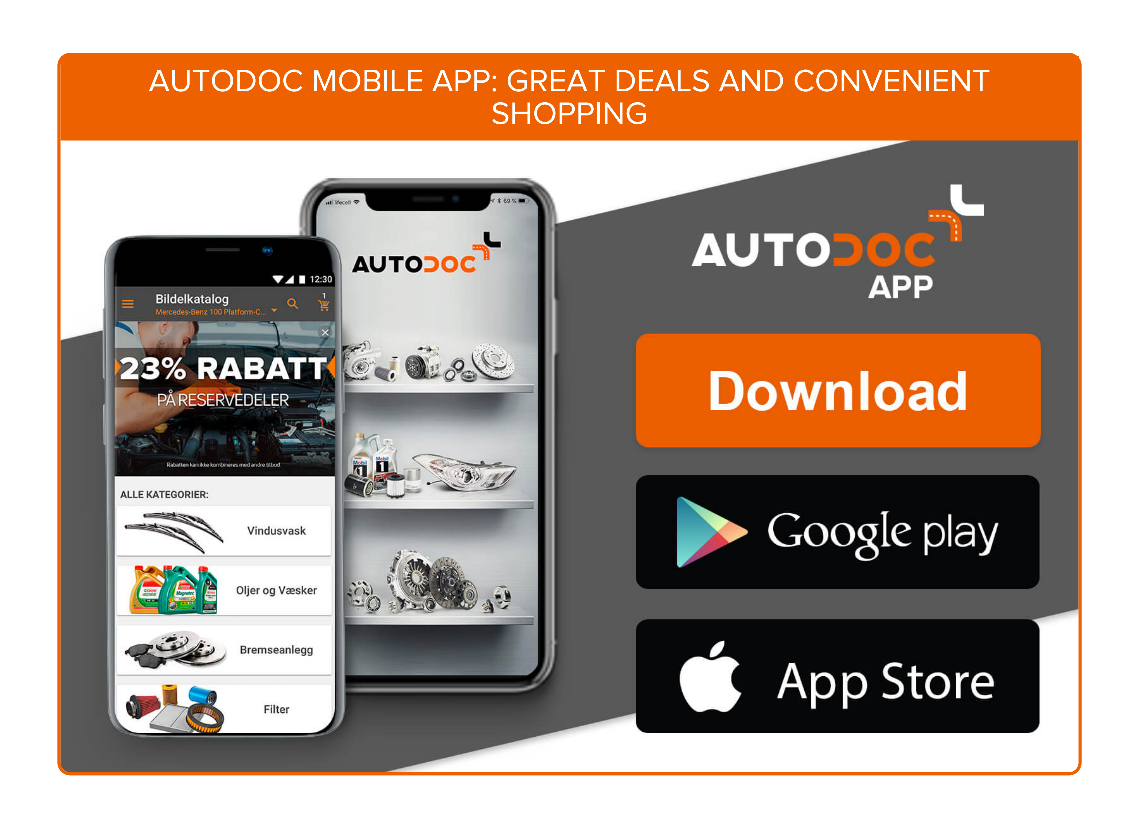
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